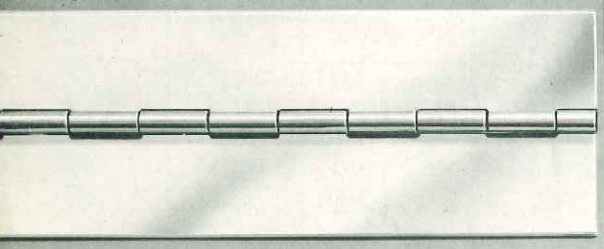
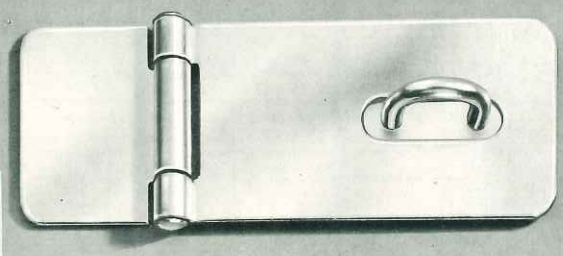
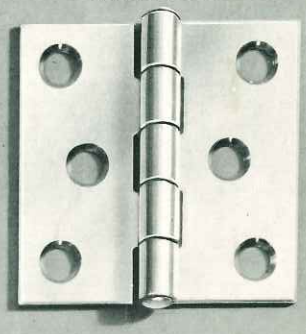
HARDWARE FOR INDUSTRY

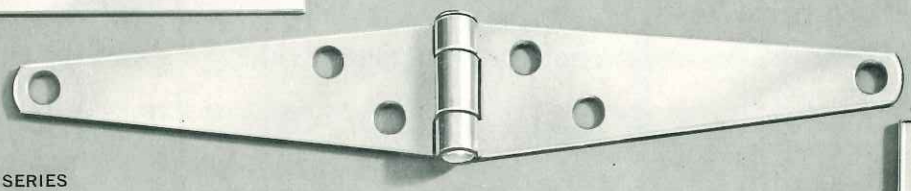
D 8/327

H. A. GUDEN CO. INCORPORATED

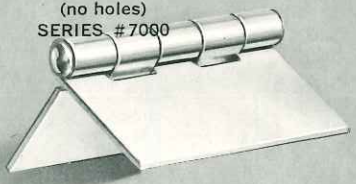

CONTINUOUS HINGES

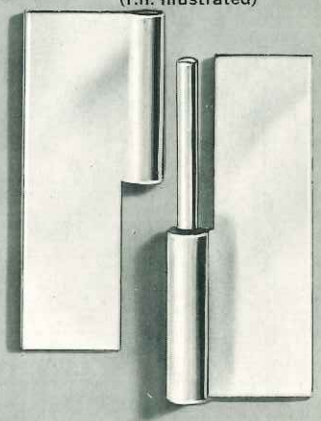

HASP & STAPLE #911


STAINLESS BUTTS
(with holes)
SERIES #8000


STRAP HINGE #900 SERIES

ROD PULL #850 SERIES


STAINLESS BUTTS
(no holes)
SERIES #7000


SLIP JOINT #802 & 806
(r.h. illustrated)

SPECIALIZING IN STAINLESS HINGES / TO MS & COMMERCIAL SPECIFICATIONS

PRODUCTION HARDWARE

CATALOG 70

Recd 11-3-70

BUTTS ..... Pages 8-10
HANDLES, CHEST ..... Page 11
HARDWARE, LOCKER ..... Page 11
HINGES ..... Pages 3-7, 9-10
PULLS, SPECIALTIES ..... Page 12

H. A. GUDEN CO. INCORPORATED 1375 Bangor Street, Copiague, Long Island, New York 11726 | Direct N.Y. line: (212) 657-0707 | Copiague Number: (516) 598-2131

FRACTIONS OF AN INCH AND DECIMAL EQUIVALENTS

			1/64	.015625
		1/32		.03125
			3/64	.046875
	1/16			.0625
			5/64	.078125
		3/32		.09375
			7/64	.109375
1/8				.125
			9/64	.140625
		5/32		.15625
			11/64	.171875
	3/16			.1875
			13/64	.203125
		7/32		.21875
			15/64	.234375
1/4				.250
			17/64	.265625
		9/32		.28125
			19/64	.296875
	5/16			.3125
			21/64	.328125
		11/32		.34375
			23/64	.359375
3/8				.375
			25/64	.390625
		13/32		.40625
			27/64	.421875
	7/16			.4375
			29/64	.453125
		15/32		.46875
			31/64	.484375
1/2				.500
			33/64	.515625
		17/32		.53125
			35/64	.546875
	9/16			.5625
			37/64	.578125
		19/32		.59375
			39/64	.609375
5/8				.625
			41/64	.640625
		21/32		.65625
			43/64	.671575
	11/16			.6875
			45/64	.703125
		23/32		.71875
			47/64	.734375
3/4				.750
			49/64	.765625
		25/32		.78125
			51/64	.796875
	13/16			.8125
			53/64	.828125
		27/32		.84375
			55/64	.859375
7/8				.875
			57/64	.890625
		29/32		.90625
			59/64	.921875
	15/16			.9375
			61/64	.953125
		31/32		.96875
			63/64	.984375
1				1.0000

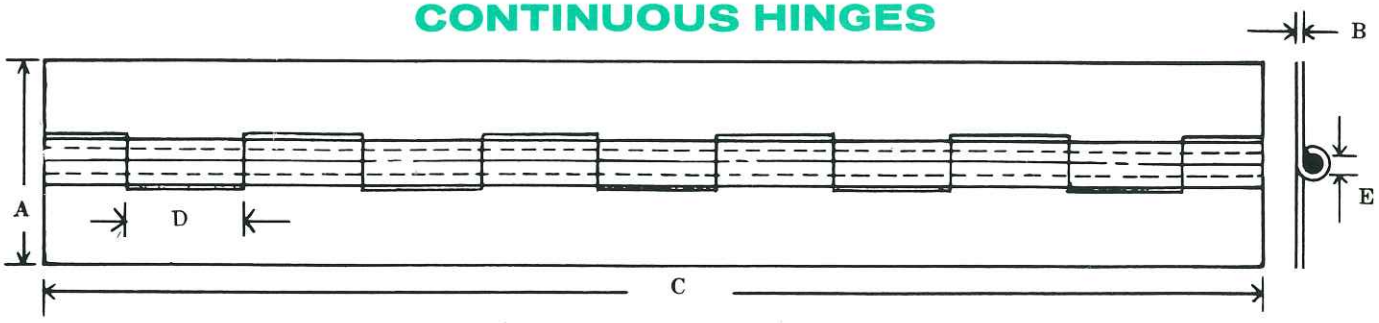
COMPARISON OF WIRE GAUGES

U. S. Gauge Normally used in specifying Hinge Leaf material

Gauge No.	American or Brown & Sharpe's	Birmingham or Stubs	Wash. & Moen	Imperial S.W.G.	London or Old English	United States Standard	Gauge No.
0000000			.490	.500		.500	0000000
000000	.5800		.460	.464		.46875	000000
00000	.5165		.430	.432		.4375	00000
0000	.4600	.454	.3938	.400	.454	.40625	0000
000	.4096	.425	.3625	.372	.425	.375	000
00	.3648	.380	.3310	.348	.38	.34375	00
0	.3249	.340	.3065	.324	.34	.3125	0
1	.2893	300	.2830	.300	.3	.28125	1
2	.2576	.284	.2625	.276	.284	.265625	2
3	.2294	.259	.2437	.252	.259	.25	3
4	.2043	.238	.2253	.232	.238	.234375	4
5	.1819	.220	.2070	.221	.22	.21875	5
6	.1620	.203	.1920	.192	.203	.203125	6
7	.1443	.180	.1770	.176	.18	.1875	7
8	.1285	.165	.1620	.160	.165	.171875	8
9	.1144	.148	.1483	.144	.148	.15625	9
10	.1019	.134	.1350	.128	.134	.140625	10
11	.09074	.120	.1205	.116	.12	.125	11
12	.08081	.109	.1055	.104	.109	.109375	12
13	.07196	.095	.0915	.092	.095	.09375	13
14	.06408	.083	.0800	.080	.083	.078125	14
15	.05707	.072	.0720	.072	.072	.0703125	15
16	.05082	.065	.0625	.064	.065	.0625	16
17	.04526	.058	.0540	.056	.058	.05625	17
18	.04030	.049	.0475	.048	.049	.05	18
19	.03589	.042	.0410	.040	.040	.04375	19
20	.03196	.035	.0348	.036	.035	.0375	20
21	.02846	.032	.03175	.032	.0315	.034375	21
22	.02535	.028	.0286	.028	.0295	.03125	22
23	.02257	.025	.0258	.024	.027	.028125	23
24	.02010	.022	.0230	.022	.025	.025	24
25	.01790	.020	.0204	.020	.023	.021875	25
26	.01594	.018	.0181	.018	.0205	.01875	26
27	.01420	.016	.0173	.0164	.0187	.0171875	27
28	.01264	.014	.0162	.0148	.0165	.015625	28
29	.01126	.013	.0150	.0136	.0155	.0140625	29
30	.01003	.012	.0150	.0124	.0375	.0125	30
31	.008928	.010	.0132	.0116	.0122	.0109375	31
32	.007950	.009	.0128	.0108	.0112	.01015625	32
33	.007080	.008	.0118	.0100	.0102	.009375	33
34	.006305	.007	.0104	.0092	.0095	.00859375	34
35	.005615	.005	.0095	.0084	.009	.0078125	35
36	.005000	.004	.0090	.0076	.0075	.00703125	36
37	.004453		.0085	.0068	.0065	.006640625	37
38	.003965		.008	.0060	.0057	.00625	38
39	.003531		.0075	.0052	.005		39
40	.003145		.007	.0048	.0045		40
41	.002800			.0044			41
42	.002494			.004			42
43	.002221			.0036			43
44	.001978			.0032			44
45	.001761			.0028			45
46	.001568			.0024			46
47	.001397			.002			47
48	.001244			.0016			48
49	.001018			.0012			49
50	.0009863			.001			50

SPECIFICATIONS AND INFORMATION FOR ORDERING

CONTINUOUS HINGES



A WIDTH WHEN OPEN
B THICKNESS OF LEAF
C LENGTH OVERALL
D KNUCKLE LENGTH
E DIAMETER OF PIN

When ordering please specify: MATERIAL • FINISH • HOLES • SWAGING and JOINT LENGTH

BUTTS

INSTRUCTIONS FOR MEASURING BUTTS

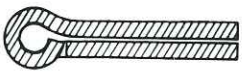
On hinges where two dimensions are given the first always indicates length of joint (not including tips) and the second the full width when open. Thus a 1¾" x 1" hinge is 1¾" on the joint and 1" wide when open.

SWAGING

FIG. 1

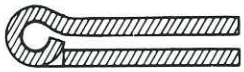
A HINGE WITH BOTH FLAPS NOT SWAGED

FIG. 2



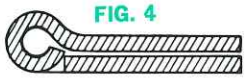
A HINGE WITH BOTH FLAPS HALF SWAGED

FIG. 3



A HINGE WITH ONE FLAP HALF SWAGED

FIG. 4



A HINGE WITH ONE FLAP FULL SWAGED

FIG 5

SWAGE FOR REVERSE ASSEMBLY

FIG. 6

REVERSE ASSEMBLY

ALL HINGES CUT TO SIZE, PIERCED OR FORMED TO PRINT

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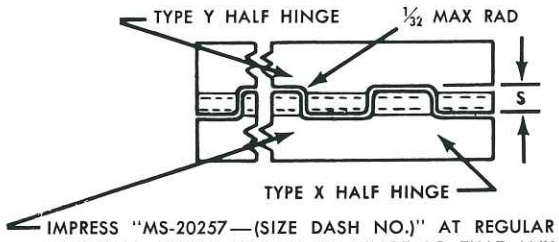
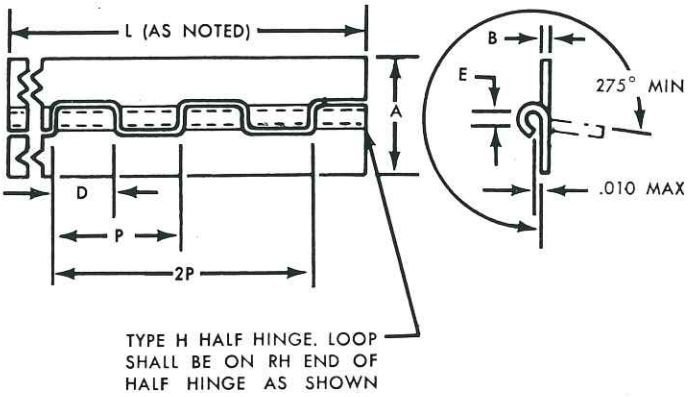
Copiague Number: (516) 598-2131

GOVERNMENT SPECIFICATIONS ■ MS-20257-SPECIFICATION / SUPERSEDES AN-257



IMPRESS "MS-20257—(SIZE DASH NO.)" AT REGULAR INTERVALS ALONG LENGTH OF HINGE SO THAT ANY THREE INCH LENGTH WILL HAVE AT LEAST ONE COMPLETE IDENTIFICATION IN FIGURES NOT LESS THAN .06 INCH HIGH. DEPRESSED FIGURES SHALL NOT EXCEED .010 INCH IN DEPTH. DESIGNATION FOR ANODIZING AND FOR LENGTH SHALL NOT BE INCLUDED IN MARKING.



TYPE H HALF HINGE. LOOP SHALL BE ON RH END OF HALF HINGE AS SHOWN

DASH NUMBER FOR COMPLETE HINGE			A	B		E +.007 −.001		S		D +.001 −.008	P	STOCK LENGTH		PIN DIA. (REF)	
AL ALLOY		COR RES Steel	Width Open			HOLE DIA.		SLOT DEPTH		Loop	Pitch	AL Alloy	COR RES Steel	For AL Alloy Hinge	For COR RES Steel Hinge
Unano-dized	Ano-dized			AL Alloy	COR RES Steel	AL Alloy	COR RES Steel	AL Alloy	COR RES Steel						
1	P1	C1	3/4	.032	.031	.066	.066	.169	.166	.490	1.000	72	72	.063	.063
2	P2	C2	1 1/16	.040	.037	.093	.093	.220	.211	.490	1.000	72	72	.090	.090
3	P3	C3	1 1/4	.040	.050	.093	.121	.220	.278	.490	1.000	72	72	.090	.118
4	P4	C4	1 1/2	.040	.062	.093	.121	.220	.314	.490	1.000	72	72	.090	.118
5	P5	C5	2	.051	.062	.093	.183	.253	.376	.490	1.000	72	72	.090	.180
6	P6	C6	2	.064	.062	.183	.183	.382	.376	1.990	4.047	72	72	.180	.180

MATERIAL: Al Alloy, OQ-A-318, Half Hard. Corrosion Resistant Steel, MIL-S-6721.

FINISH: Aluminum Alloy, Anodized, AN-QQ-A-696 or none, depending on coding. Corrosion Resistant Steel, none.

Hinge Pins shall be in accordance with MS20253. Use Cadmium Plated, Corrosion Resistant Steel Pin with Aluminum Alloy Hinge. Use Passivated Corrosion Resistant Steel Pin with Corrosion Resistant Steel Hinge.

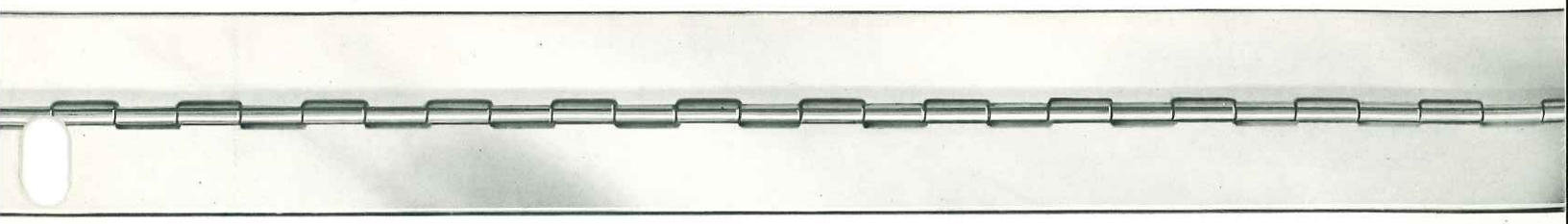
COMMERCIAL STANDARDS →

6061-T6 MATERIAL
EXTRUDED ALUMINUM WITH
STAINLESS STEEL PINS

STOCK LENGTHS — 72″

NO.	WIDTH OPEN	LENGTH	GAUGE	PIN	JOINT
EX-0	1 1/16″	72″	.045″	.090″	5/8″
EX-1	1 1/4″	72″	.045″	.090″	5/8″
EX-2	1 1/2″	72″	.045″	.090″	5/8″
EX-3	2″	72″	.045″	.090″	5/8″
EX-4	2″	72″	.064″	.180″	1″
EX-5	1 3/4″	72″	.045″	.090″	5/8″
EX-6	2″	72″	.054″	.130″	1″
EX-7	2 1/2″	72″	.045″	.090″	5/8″
EX-8	2 3/4″	72″	.045″	.090″	5/8″

ALL HINGES CUT TO SIZE, PIERCED OR FORMED TO PRINT



SPECIFICATIONS / MS-35000 SERIES

GOVERNMENT STANDARDS
MILITARY STANDARDS

	Gauge	Joint	Pin
MS—35821	.032	1/2"	.063
MS—35822	.040	1/2" and 5/8"	.093
MS—35823	.050	5/8"	.125
MS—35824	.050	1" and 2"	.187
MS—35825	.060	5/8" and 1"	.125
MS—35826	.060	1" and 2"	.187
MS—35827	.060	1" and 2"	.250
MS—35828	.060	2"	.312 and .375
MS—35829	.075	2"	.187 and .250
MS—35830	.090	2"	.250—.312—.375
MS—35831	.125	2"	.312 and .375

NUMERICAL DASH NO. INDICATES WIDTH
ALPHABETICAL DASH NO. INDICATES MATERIAL

EXAMPLE:

"A" Aluminum Half Hard—Spec. QQ—A—318
"B" Brass Half Hard—Spec. QQ—B—611
"C" Steel—Stainless—Spec. QQ—S—766
"D" Steel—Carbon—Spec. QQ—S—636—(with Steel Pin)
"E" Steel—Carbon—Spec. QQ—S—636—(with Bronze Pin)
"E": Furnished as
Zinc Plated—Class II—Type II—QQ—Z—325
or
Cadmium Plated—Type II—Class A—QQ—P—416

MS 20001 SERIES —2024-T4 MATERIAL—EXTRUDED ALUMINUM

DASH NO.	A REF. WIDTH OPEN	THICKNESS E		BARREL DIAMETER D DIA..		PIN DIA. REF.	HOLE DIA. +.005 −.000	LOOP
		MAX.	MIN.	MAX.	MIN.			
2	1.062	.056	.044	.187	.173	.090	.093	.490
3	1.250							
4	1.500							
5	1.750							
6	2.000							
8	2.000	.076	.064	.318	.302	.180	.183	.490
9	2.500	.056	.044	.187	.173	.090	.093	.490
10	2.750							
12	3.375	.115	.103	.320	.304			
14	3.719	.163	.149	.414	.398	.130	.133	.490
16	3.938	.210	.196	.509	.491	.180	.183	.490

STOCK LENGTH 72.00"

AN—253 PINS
MS—20253 PINS
MS—27990 PINS
NAS—40 EXTRUDED
AN—252 EXTRUDED

AN—250 BUTTS

ALL HINGES CUT TO SIZE, PIERCED OR FORMED TO PRINT

H. A. GUDEN CO. INCORPORATED 1375 Bangor Street, Copiague, Long Island, New York 11726
Direct N. Y. line: (212) 657-0707
Copiague Number: (516) 598-2131

LIGHT WELDING AND BRAZING HINGES

STAINLESS: RAW BRASS • BRONZE • ALUMINUM • STEEL (No Holes)

No.	A	B	E
70	½″	.025	.055
90	¾″	.025	.055
90-0	¾″	.032	.062
100-0	1″	.032	.062
200-0	1¼″	.032	.062
300-0	1½″	.032	.062

When specifying joint lengths add "D" dimension to part number. See page 3.

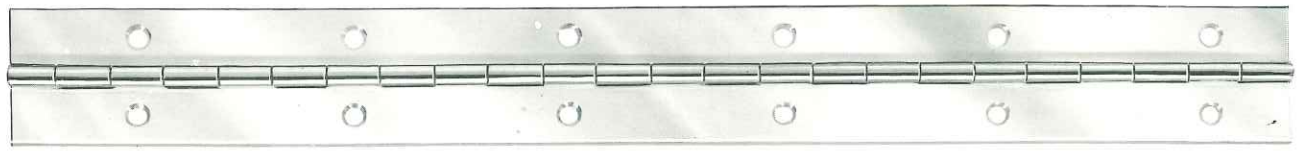
EXAMPLE: No. 404 — ¾″

SPECIFIES ¾″ LENGTH OF JOINT

SPECIFIES 2″ WIDE — .062 THICKNESS — .125 DIA. PIN

STOCK LENGTHS — 72″ LONG

PIANO · MARINE · CABINET · SHOWER DOOR HINGES—with holes



POLISHED STAINLESS: 302 GRADE WITH HOLES

BRASS: POLISHED • NICKEL • CHROME PLATED

STEEL: UNFINISHED • BRASS • NICKEL • STATUARY PLATED

No.	A	B	E
102	1 1/16″	.040	.095
104	1 1/16″	.062	.125
202	1¼″	.040	.095
204	1¼″	.062	.125
302	1½″	.040	.095
304	1½″	.062	.125
402	2″	.040	.095
404	2″	.062	.125
502	2½″	.040	.095
504	2½″	.062	.125
602	3″	.040	.095
604	3″	.062	.125

STOCK LENGTHS — 72″ Long

SCREW SIZES

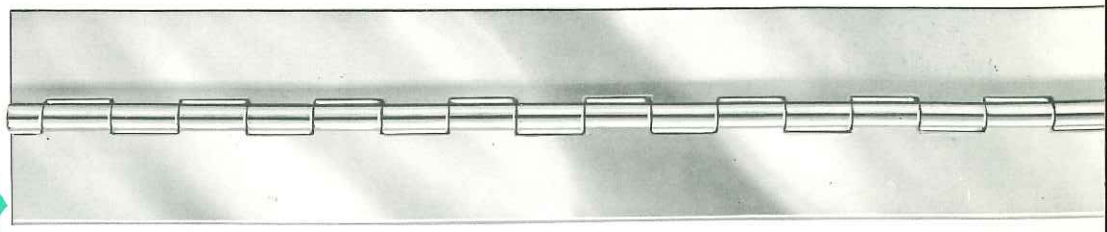
MATERIAL	SIZE
.040 STAINLESS STEEL	#6*
.040 BRASS and PLATED	#4
.062 STAINLESS STEEL	#8
.062 BRASS and PLATED	#6

*Except 1-1/16″ wide is #4.

STANDARD HOLES—2″ Center to Center Drilled and cts'k SPECIAL HOLES—Sizes • Swaging or Leaf

ALL HINGES CUT TO SIZE, PIERCED OR FORMED TO PRINT

ELECTRONIC AND CABINET SPOT WELDING HINGES



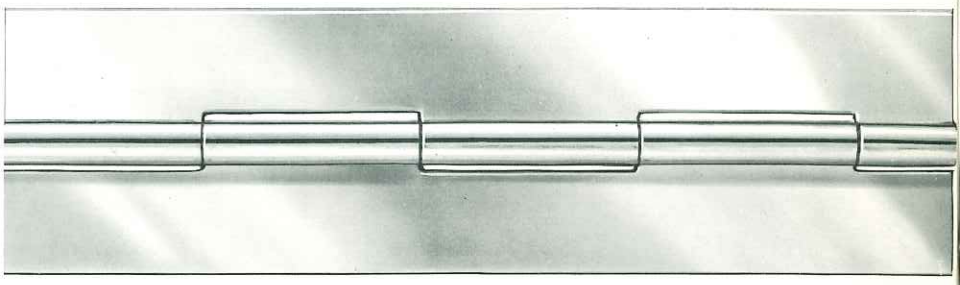
STAINLESS: PLAIN STEEL • RAW BRASS • ALUMINUM (No Holes)

No.	A	B	E
91	3/4"	.035	.086
101	1 1/16"	.035	.086
102	—	.040	.095
103	—	.050	.125
104	—	.062	.125
201	1 1/4"	.035	.086
202	—	.040	.095
203	—	.050	.125
204	—	.062	.125
205	—	.062	.187

No.	A	B	E
301	1 1/2"	.035	.086
302	—	.040	.095
303	—	.050	.125
304	—	.062	.125
305	—	.062	.187
401	2"	.035	.086
402	—	.040	.095
403	—	.050	.125
404	—	.062	.125

STOCK LENGTHS:
72" 84"

HEAVY ELECTRONIC TRUCK AND INDUSTRIAL HINGES



STAINLESS: PLAIN STEEL • RAW BRASS • ALUMINUM (No Holes)

No.	A	B	E
404	2"	.062	.125
405	2"	.062	.187
1405	2"	.062	.250
406	2"	.078	.187
407	2"	.078	.250
1408	2"	.093	.187
408	2"	.093	.250
1409	2"	.125	.250
409	2"	.125	.375
504	2 1/2"	.062	.125
505	2 1/2"	.062	.187
506	2 1/2"	.078	.187
507	2 1/2"	.078	.250
1508	2 1/2"	.093	.187
508	2 1/2"	.093	.250
1509	2 1/2"	.125	.250
509	2 1/2"	.125	.375
604	3"	.062	.125
605	3"	.062	.187
606	3"	.078	.187
607	3"	.078	.250
1608	3"	.093	.187
608	3"	.093	.250
1609	3"	.125	.250

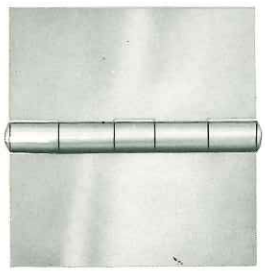
No.	A	B	E
609	3"	.125	.375
704	3 1/2"	.062	.125
705	3 1/2"	.062	.187
706	3 1/2"	.078	.187
707	3 1/2"	.078	.250
1708	3 1/2"	.093	.187
708	3 1/2"	.093	.250
1709	3 1/2"	.125	.250
709	3 1/2"	.125	.375
805	4"	.062	.187
806	4"	.078	.187
807	4"	.078	.250
1808	4"	.093	.187
808	4"	.093	.250
1809	4"	.125	.250
809	4"	.125	.375
907	4 1/2"	.078	.250
908	4 1/2"	.093	.250
909	4 1/2"	.125	.375
1007	5"	.078	.250
1008	5"	.093	.250
1009	5"	.125	.375
1010	5"	.187	.500
1107	6"	.078	.250

STOCK LENGTHS: 72" 84"

SPECIAL SIZES TO ORDER

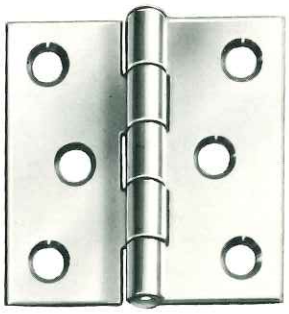
H. A. GUDEN CO. INCORPORATED 1375 Bangor Street, Copiague, Long Island, New York 11726
Direct N. Y. line: (212) 657-0707
Copiague Number: (516) 598-2131

STAINLESS STEEL BUTTS



SERIES #7000 — No Holes

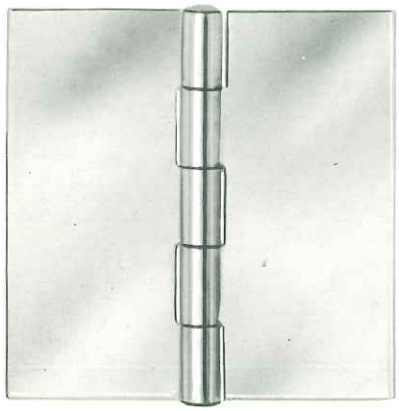
WIDTH	LENGTH	GAUGE	PIN DIAMETER
1″	1″	.035	.086
1½″	1½″	.035	.086
1½″	1½″	.062	.125
2″	2″	.062	.125
2″	2″	.078	.187
2½″	2½″	.078	.187
3″	3″	.078	.187
3″	3″	.093	.250
3½″	3½″	.078	.187
3½″	3½″	.093	.250
4″	4″	.125	.250
4″	4″	.125	.375
5″	5″	.125	.250
6″	6″	.125	.250
6″	6″	.187	.500



SERIES #8000 — With Holes

302 Grade STAINLESS
Normally Supplied Riveted Pin — No holes — Flat on back.
Loose Pin-Holes — Special Sizes and Gauges to order.

ALUMINUM BUTTS

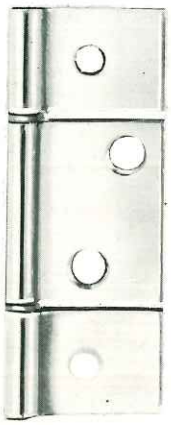


SERIES #9000 — No Holes

WIDTH	LENGTH	GAUGE	PIN DIAMETER
1½″	1½″	.062	.125
2″	2″	.062	.125
2½″	2½″	.062	.125
2½″	2½″	.078	.187
3″	3″	.062	.187
3″	3″	.078	.187
3″	3″	.093	.187
3″	3″	.125	.250
3½″	3½″	.078	.187
3½″	3½″	.093	.250
4″	4″	.125	.250

50/52 — Half Hard ALUMINUM
Also Aluminum Broad, Middle and Desk Butts with and without holes.
Normally Supplied Riveted Pins — No holes — STS Pin — Flat on back.
(Loose Pin Holes, Special Sizes and Gauges to order.)

GUDEN STAINLESS SPECIALTIES



NON-MORTISE HINGE STAINLESS STEEL

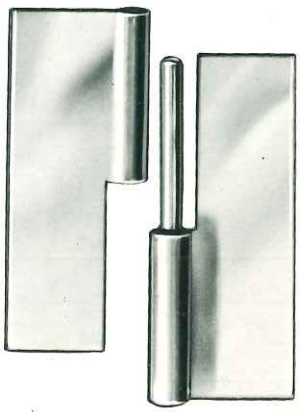
No. S.T.S.—1030

3⅜″ Long, .050 Thick
Nylon Wafer

STAINLESS SLIP JOINT

NH — STS 802 — 3″ x 2″
— 093 ga. — 3/16″ pin
NH — STS 802 — 2″ x 1 11/16″
— 075 ga. — 3/16″ pin

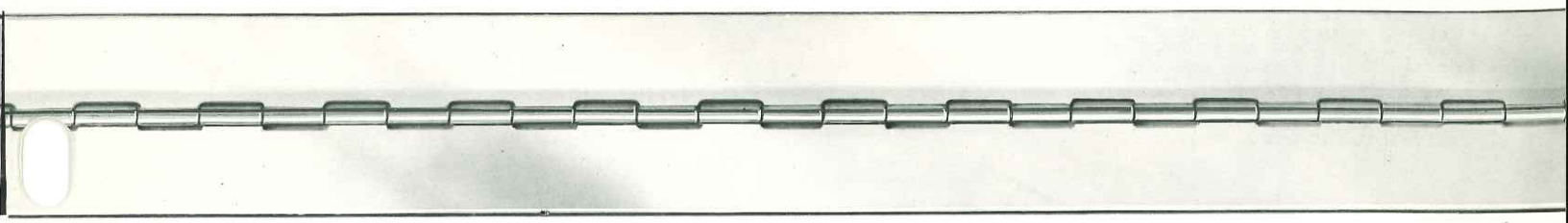
NH — STS 806 — 3″ x 3″
— 093 ga. — ¼″ pin
NH — STS 806 — 2½″ x 2½″
— 075 ga. — 3/16″ pin



R.H. Illustrated

Special Sizes and Hole Layout to order

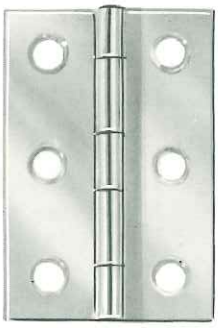
ALUMINUM TO ORDER Special Forming to Order

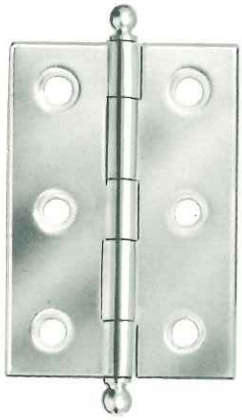


WROUGHT BRASS BUTTS

Standard Dimensions of Common Brass Butts and Hinges

Dimensions in Inches Length Along Pin	Series #1000 BROAD Width Open	Gauge	Series #2000 MIDDLE Width Open	Gauge	Series #3000 NARROW Width Open	Gauge	Series #4000 DESK Width Open	Gauge
½″	⅝″	.021	9/16″	.021	7/16″	.021		
¾″	1″	.021	11/16″	.028	⅝″	.028	15/16″	.040
1″	1 1/32″	.030	13/16″	.030	¾″	.030	1½″	.045
1¼″	1 1/16″	.036	⅞″	.036	¾″	.036	1⅞″	.045
1½″	1¼″	.038	1″	.038	⅞″	.038	2″	.048
1¾″	1¼″	.040	1″	.040	29/32″	.040	2 7/16″	.055
2″	1⅜″	.045	1 3/16″	.045	1″	.045	3 1/16″	.060
2¼″	1½″	.050	1 5/16″	.050	1 3/16″	.050		
2½″	1¾″	.054	1 17/32″	.054	1 11/32″	.054		
3″	2⅛″	.064	1⅞″	.064	1⅝″	.064		

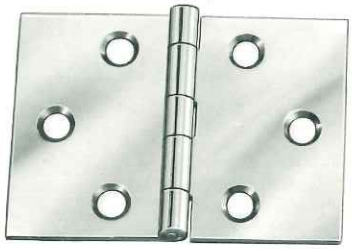




BRASS BALL TIPPED BUTTS

Series #5000

When Open Length & Width	Gauge
1¼″ x 1⅛″	.036
1½″ x 1¼″	.038
1¾″ x 1¼″	.038
2″ x 1⅜″	.045
2″ x 1¾″	.045
2½″ x 1¾″	.054
3″ x 2⅛″	.064
2″ x 2″	.060
2½″ x 2½″	.062



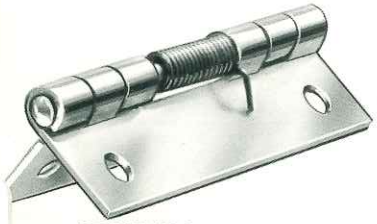
BRASS SHUTTER BUTTS

Series #6000

When Open Length & Width	Gauge
1½″ x 1½″	.050
2″ x 2″	.060
2″ x 2½″	.060
2½″ x 2½″	.062
3″ x 3″	.100

AN-250 BRASS BUTTS TO ORDER

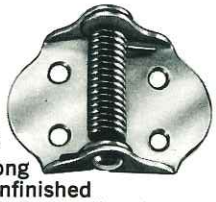
SPRING HINGES



STAINLESS
No. S.T.S.—1643
2″ Long x 1″ Wide
.040 Stainless

No. 1643
2″ Long x 1″ Wide
.040 Steel, Cadmium Plated

No. 1112
1 5/16″ Long x 15/16″ Wide
.040 Raw Brass



No. 343
1¼″ Long
Steel, Unfinished
Nickel or Brass Plated
also
Brass—Chrome

No. 1114
1¼″ Long x ¾″ Wide
.025 Steel, Unfinished
No. S.T.S.—1114
1¼″ Long x ¾″ Wide
.025 Stainless

CONTINUOUS HINGES (Spring Loaded)
Spring Activated to Specifications

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Copiague Number: (516) 598-2131

H. A. GUDEN CO. INCORPORATED

METAL CABINET BUTT HINGES

WROUGHT STEEL — NO HOLES

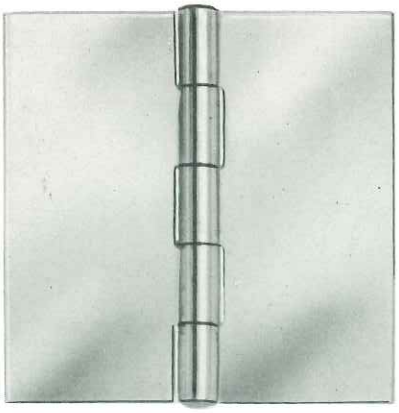
FLAG TYPE HINGE

No. 836—2″ x 5/16″ Steel Tips—Reversible

No. 1473—2½″ x 1″ Brass Tips—Right or Left Hand Plain Steel No Holes

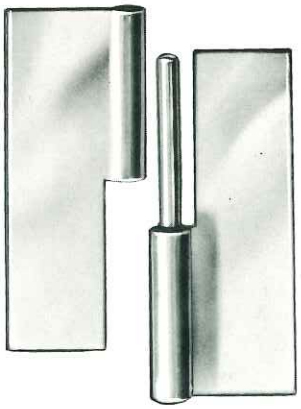
No. S.T.S. — 836 — Stainless

No. S.T.S.—1473 — Stainless



NH 300 **NH 800**
NH 804 **NH 808**
NH 838 **NH 840**
NH 850

See Chart Below for Sizes, Gauges



SLIP JOINT HINGE — RIGHT HAND

NH 802

Length	Width Open	Gauge
2″	1 11/16″	.074
2½″	1 7/8″	.075

NH 806

3″	3″	.093

Above also Supplied with Holes

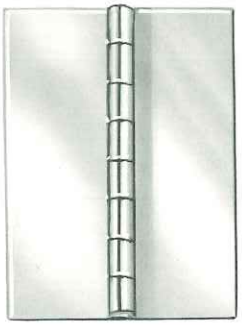
LENGTHS FOR ALL NUMBERS	NH 300 WIDTH	NH 300 GAUGE	NH 800 WIDTH	NH 800 GAUGE	NH 804 L.P. NH 808 T.P. WIDTH	NH 804 L.P. NH 808 T.P. GAUGE	NH 840 L.P. NH 838 T.P. WIDTH	NH 840 L.P. NH 838 T.P. GAUGE	NH 850 WIDTH	NH 850 GAUGE
¾″	¾″	.028	—	—	—	—	—	—	—	—
1″	1″	.032	—	—	—	—	1″	.050	—	—
1¼″	1″	.035	—	—	—	—	—	—	—	—
1½″	—	—	1½″	.068	—	—	1⅜″	.050	—	—
1¾″	1 9/16″	.040	—	—	—	—	—	—	—	—
2″	1⅜″	.042	1 11/16″	.074	2″	.082	1 9/16″	.062	2″	.107
2½″	—	—	1 13/16″	.075	2½″	.087	1 11/16″	.062	2½″	.119
3″	—	—	2 5/32″	.079	3″	.087	2″	.074	3″	.130
3½″	—	—	—	—	3½″	.096	—	—	3½″	.146
4″	—	—	—	—	4″	.096	2⅞″	.077	4″	.160
4½″	—	—	—	—	4½″	.123	—	—	4½″	.170
5″	—	—	—	—	5″	.140	—	—	5″	.180
6″	—	—	—	—	6″	.160	—	—	6″	.203

Normally Supplied Flat on Back — Also Supplied with Holes

SPECIAL SIZES TO ORDER

CONCEALED HINGE No. 9289

Cold Rolled Steel
No Holes



WELDING BUTTS

Cut off — all sizes with and without holes

1″ x 1″ — .035
1½″ x 1½″ — .035
2″ x 1½″ — .035
2″ x 2″ — .035

Other sizes to order

NH 834
TIGHT PIN

1½″ x 1½″ — .050
2″ x 2″ — .062
2½″ x 2½″ — .062
3″ x 3″ — .062

H. A. GUDEN CO. INCORPORATED

CHEST HANDLES

No. 1205—Steel—Japanned, bright zinc, galvanized. With or without holes.

Size	Plate (Inches)	Width of Bail Inside (Inches)	Gauge of Metal	Wire (Inches)
No. 2¾	2 1/16 x 2	2¾	.058	¼
No. 3¼	3⅜ x 2¾	3⅜	.058	5/16
No. 3½	3⅝ x 2 15/16	3⅝	.065	11/32
No. 4	4 1/16 x 3	4⅛	.072	⅜
No. 4¾	4⅞ x 4 3/16	4½	.083	7/16

No. 482—Plain Steel—Japanned or Galvanized. With or without holes.

No.	Size (Inches)
1	5 x 1¼
2	5¾ x 1½
3	6½ x 1¾
4	7⅞ x 2¼

No. 1214—Tubular grip. Steel—Japanned, bright zinc or plated finishes.

Plate (Inches)	Width of Bail Inside (Inches)	Gauge of Metal	Wire (Inches)
3⅛ x 3	3⅞	.084	5/16

No. 1207—Steel—Plain or Japanned Finish. With or without holes. Also supplied in Stainless Steel.

Plate (Inches)	Width of Bail Inside (Inches)	Gauge of Metal	Wire (Inches)
3 1/16 x 1¾	3⅜	.072	5/16

CHEST HANDLES – (Military Specifications)

No. H-955—Aluminum Plate
No. H-956—Steel Plate
Aluminum or Steel Bail
Aluminum or Rubber Grip

No. 945—Aluminum Plate
No. 946—Steel Plate
Aluminum or Steel Bail
Aluminum or Rubber Grip

No. 980 —Steel Plate
Steel Bail
Rubber Grip

No. 112-11
Signal Corps **No. SC-D-9824**

ALSO AVAILABLE: MS-18012, MS-35791, MS-35792 AND MS-35793.

LOCKER HARDWARE Government Specifications

No. 8613
Buships Part #32
Handle
CAST

No. 8696
Buships Part #13
2" T Handle
2½" T Handle
Buships Part #11

No. 7174
Buships Part #5
Pull—3"
C to C
CAST

No. 7863 Pull-dia.
Buships Part #17
WROUGHT

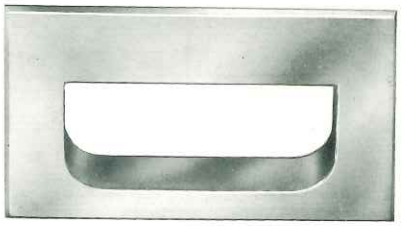
No. 8234
Buships Part #33
Strike
CAST

No. 8612
Buships Part #40
Strap
WROUGHT

No. 8213
Buships Part #41
Latch
WROUGHT

No. 8726
Buships Part #42
Escutcheon
Stainless Steel
WROUGHT

No. 8614
Buships Part #39
2 Point Cam
WROUGHT



No. 7731
Buships Part #7
Tapped on 3"
C to C
CAST

TO BUSHIPS PRINTS #5-3200-860055

Cat 70 rec'd 11/3/70

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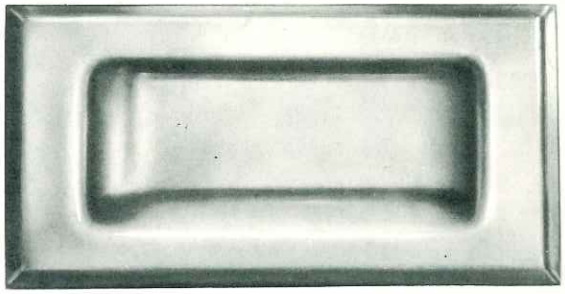
FLUSH DRAWER PULLS ▪ STAINLESS STEEL

SIMILAR STYLES AVAILABLE IN ALUMINUM AND STEEL

**MAGNETIC,
NON-MAGNETIC
FRICTION & SNAP
CATCHES
MS & COMMERCIAL**

End View



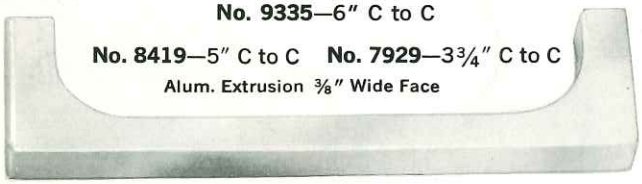
No. 1899
Beveled Pull with
Mounting Studs
4″ C to C

No. 1898
Pull for Spot
Welding (flat face;
no mounting studs)

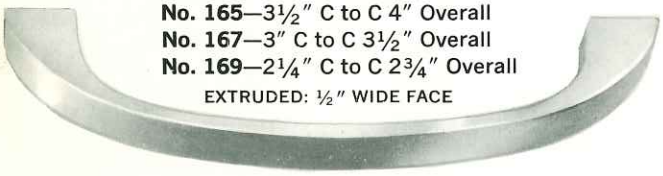
ABOVE PULL TO FIT NOTCH—3½″ x 1½″
OVERALL SIZE OF PLATES—4¾″ x 2 7/16″

No. 9335—6″ C to C

No. 8419—5″ C to C **No. 7929**—3¾″ C to C
Alum. Extrusion ⅜″ Wide Face

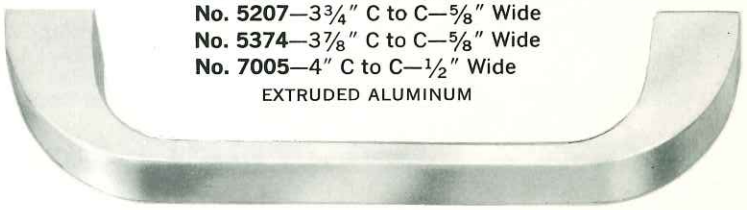


No. 165—3½″ C to C 4″ Overall
No. 167—3″ C to C 3½″ Overall
No. 169—2¼″ C to C 2¾″ Overall
EXTRUDED: ½″ WIDE FACE

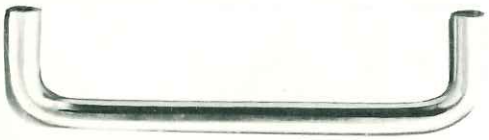


Polished Chrome Polished Brass
Brushed Chrome Brushed Brass
Aluminum Anodized

No. 2644—4″ C to C—⅝″ Wide
No. 5207—3¾″ C to C—⅝″ Wide
No. 5374—3⅞″ C to C—⅝″ Wide
No. 7005—4″ C to C—½″ Wide
EXTRUDED ALUMINUM

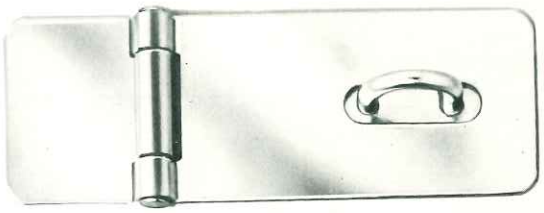


STAINLESS SPECIALTIES



STAINLESS	ALUMINUM	BRASS	C to C
⅜″ Dia.	5/16″ Dia.	5/16″ Dia.	
No. 850		No. 750	2½″
No. 851	No. 951	No. 751	3″
No. 852	No. 952	No. 752	3½″
No. 853	No. 953	No. 753	4″
No. 854	No. 954	No. 754	5″
Brushed & Electro Polished	Anodized	Polished & Brushed Chrome	

tapped 8/32″



HASP STAPLE — No. STS – 911
2-1/2″ Lg. — with & without holes
3-1/2″ Lg. — with & without holes
4-1/2″ Lg. — with & without holes
6″ Lg. — with & without holes

**STAINLESS
STRAP HINGE**
No. STS-900 — 3″
No. STS-900 — 4″
with or without holes

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